40GXC / 38GXC
40GXQ / 38GXQ

High–Wall Duct Free Split System
Sizes 009 and 012

Owner's Manual

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NOTE TO EQUIPMENT OWNER:

Please read this Owner's Information Manual carefully before installing and using this appliance and keep this manual for future reference.

For your convenience, please record the model and serial numbers of your new equipment in the spaces provided. This information, along with the installation data and dealer contact information, will be helpful should your system require maintenance or service.

UNIT INFORMATION

Model # _____

Serial # _____

INSTALLATION INFORMATION

Date Installed _____

DEALERSHIP CONTACT INFORMATION

Company Name: _____

Address: _____

_____

Phone Number: _____

Technician Name: _____

_____

SAFETY PRECAUTIONS

⚠ WARNING

PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE HAZARD

Failure to follow this warning could result in personal injury, death, or property damage.

Read and follow all instructions and warnings, including labels shipped with or attached to unit before operating your new air conditioner.

Any time you see this symbol ⚠ in manuals, instructions and on the unit, be aware of the potential for personal injury. There are three levels of precaution:

DANGER identifies the most serious hazards which will result in severe personal injury or death.

WARNING signifies hazards that could result in personal injury or death.

CAUTION is used to identify unsafe practices which would result in minor personal injury or product and property damage.

NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

⚠ WARNING

PERSONAL INJURY, DEATH AND / OR PROPERTY DAMAGE HAZARD

Failure to follow this warning could result in personal injury, death or property damage.

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause personal injury or property damage.

Consult a qualified installer, service agency, your distributor or branch for information or assistance. The qualified installer or service agency must use factory-authorized kits or accessories when modifying this product.

GENERAL

The high wall fan coil unit provides quiet, maximum comfort. In addition to cooling and/or heating, the high wall fan coil unit matched with an outdoor condensing unit will filter and dehumidify the air in the room to provide maximum comfort.

IMPORTANT: The high wall fan coil unit should be installed by authorized personnel only; using approved tubing and accessories. If technical assistance, service or repair is needed, contact the installer or call 1-800-227-7437.

The high wall fan coil unit can be set up and operated from the remote control (provided). **If the remote is misplaced, the system can be operated from the "Auto" setting on the unit.**

Operating Modes:

The high wall fan coil unit has five operating modes.

- Fan only
- Auto (heat pump models only)
- Heating (heat pump models only)
- Cooling
- Dehumidification (DRY)

Fan Only

In Fan Only mode, the system filters and circulates room air without changing room air temperature.

Auto

In Auto mode, the system will automatically cool or heat the room according to the user-selected set point.

Heating

In Heating mode, the system heats and filters room air.

Cooling

In Cooling mode, the system cools, dries and filters room air.

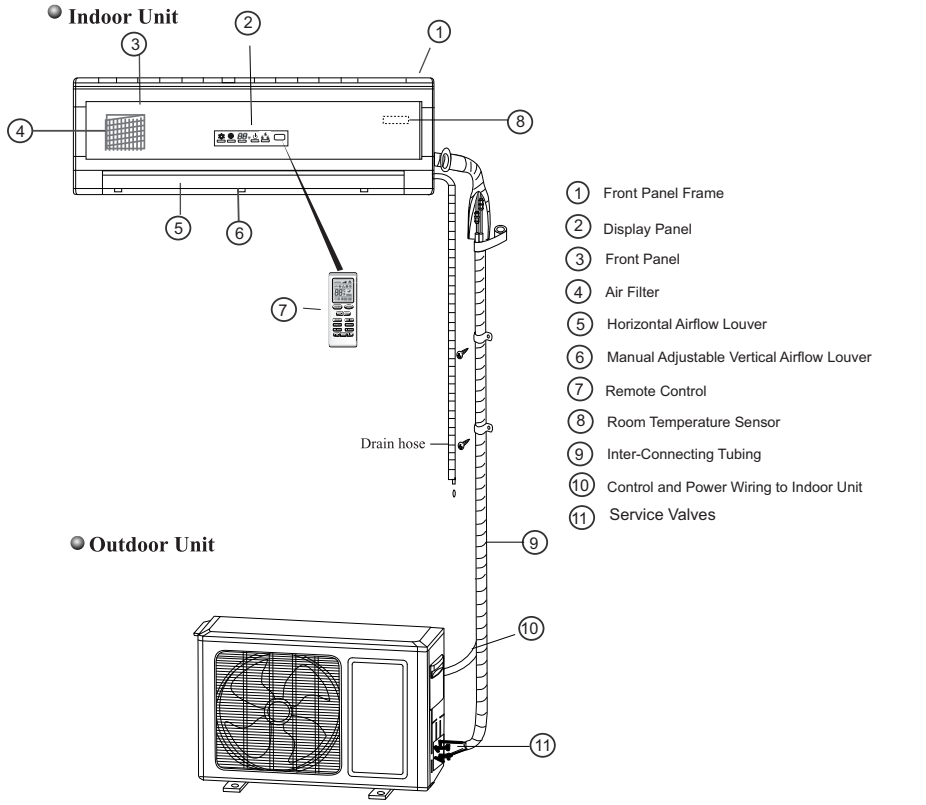
Dehumidification (DRY)

In Dehumidification mode, the system dries, filters and slightly cools room air temperature. Use of this mode ***does not*** take the place of a dehumidifier.

Remote Control

The remote control transmits commands to set up and operate the system. The control has a window display panel that shows the current system status. The control can be secured to a surface when used with the mounting bracket provided.

PART NAMES



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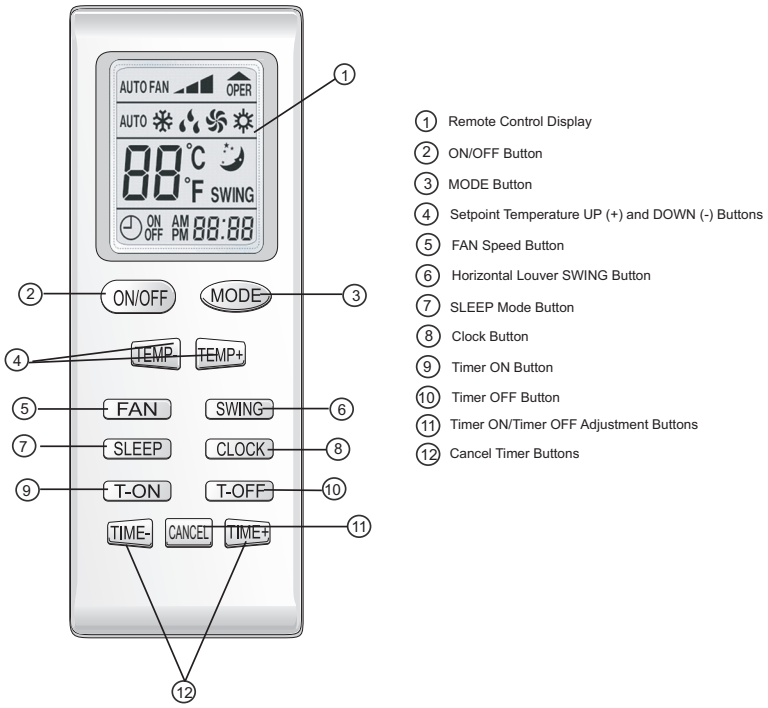
Indoor/Outdoor Unit



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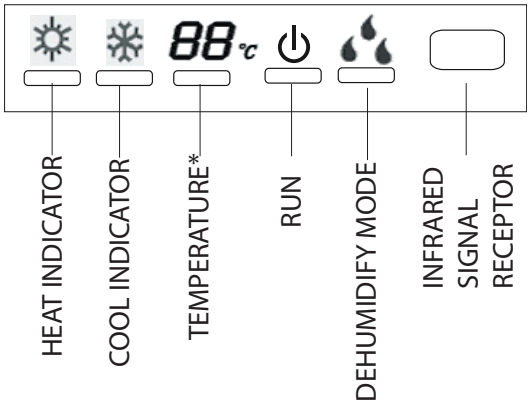
Remote Control

UNIT DISPLAY PANELS

NOTE: The display panel on the indoor unit can be turned on or off using the remote control . Press the SWING button twice to turn the display on and off. Some of the functions will appear on the display panel, on the remote control, or both.

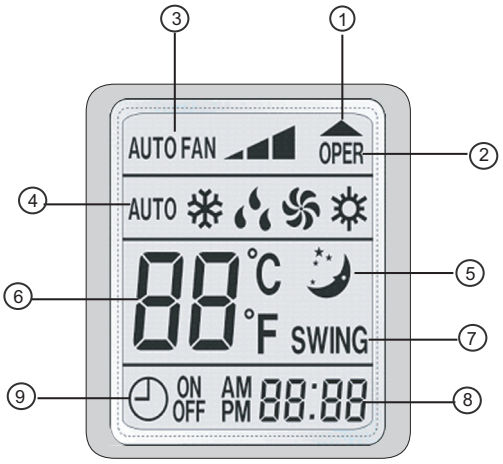
On the Unit:



A08297

* The temperature readout will be replaced by an error code if there is a malfunction.

Remote Control Display



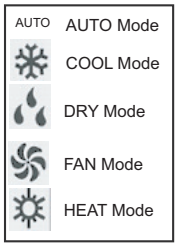
A08295

① **TRANSMISSION INDICATOR**: Illuminates when remote control transmits signals to the indoor unit.

② .**ON/OFF INDICATOR**: This symbol appears when the unit is turned on by the remote control, and disappear when the unit is turned off.

③ **FAN SPEED DISPLAY**: Indicates the set fan speed. AUTO is displayed when unit is running in AUTO mode.

④ **MODE DISPLAY**: Indicates the current operation mode "AUTO", "COOL", "DRY", "FAN ONLY", or "HEAT"



A08296

⑤ **SLEEP DISPLAY**: Indicates unit is running in SLEEP mode.

⑥ **TEMPERATURE DISPLAY**: Temperature setting from 61°F (16°C) to 86°F (30°C) will be displayed. If FAN mode is selected, there will be no temperature displayed.

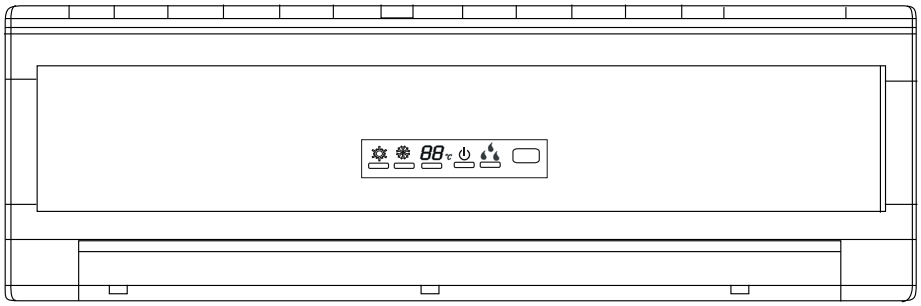
⑦ **SWING DISPLAY:** Indicates that louvers are moving continuously for better air distribution.

⑧ **CLOCK DISPLAY**: Indicates the current time (0 to 24 hours).

⑨ **TIMER DISPLAY**: Indicates that time ON, time OFF, or both is set.

NOTE: Symbols shown in this manual are for the purpose of demonstration. During actual operation, only the relevant symbols are displayed.

REMOTE CONTROL



A08298

⚠ CAUTION

EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage. Handle the control with care and avoid getting the control wet.

IMPORTANT: The remote control can operate the unit from a distance of up to 25 ft. (7.6 m) as long as there are no obstructions. This is one way communication only (from remote control to fan coil).

The remote control can perform the following basic functions:

- Turn the system ON and OFF
- Select operating mode
- Adjust room air temperature set point and fan speed
- Adjust airflow direction

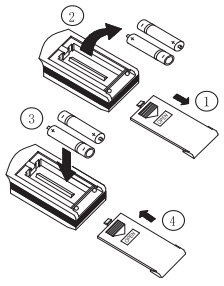
Refer to the *Remote Control Function* section for detailed description of all the capabilities of the remote control.

Battery Installation

Two AAA 1.5 v alkaline batteries (included) are required for operation of the remote control.

To install or replace batteries :

1. Slide the back cover off the control to open the battery compartment.
2. Remove old batteries if you are replacing the batteries.
3. Insert batteries. Follow the polarity markings inside the battery compartment.
4. Replace battery compartment cover.



A08299

NOTE:

1. When replacing batteries, do not use old batteries or a different type battery. This may cause the remote control to malfunction.
2. If the remote is not going to be used for several weeks, remove the batteries. Otherwise battery leakage may damage the remote control.
3. The average battery life under normal use is about 6 months.
4. Replace the batteries when there is no audible beep from the indoor unit or if the Transmission Indicator fails to light.

Set the Clock

Before you start operating the air conditioner, set the clock on the remote control as outlined below. The clock panel on the remote controller will display the time regardless of whether the air conditioner is in use or not.

Initial Setting of the Clock:

After batteries are inserted in the remote control, the clock panel will display ”12:00” AM.

1. Push the CLOCK button once
   - “AM” will flash
2. Push the “TIME +” or “TIME -” button. Each time you press the button, the time moves forward or backward by one minute depending on which button you press.
   If you push the temperature button continuously, the time adjusts in increments of 10 minutes.
3. When the right time is achieved, press the CLOCK button once to set the time. The “AM” will stop flashing.
4. To readjust the Clock, Press the CLOCK button on the remote. The “AM” or “PM” will flash. Repeat steps 1 through 3.

NOTE: Note: The time of the CLOCK must be set before the AUTO-TIMER function will operate.

⚠ CAUTION

UNIT OPERATION HAZARD

Failure to follow this caution may result in equipment damage or improper operation.

Static electricity or other factors (voltage fluctuations) can cause the remote control clock to reset. If your remote control is reset (the time of ”12:00” flashing), set the clock before starting the unit.

Remote Control Operation - Quick Start

NOTE: When transmitting a command from the remote control to the unit, be sure to point the control toward the LED display on the front panel of the unit. The unit will confirm receipt of a command by sounding an audible beep.

1. Turn the unit on by pushing the **ON/OFF** button.
2. Select the desired mode by pushing the mode button.

A08301

NOTE: Cool only units have no heat mode.

3. Select the temperature set point by pointing the control toward the unit and pressing the "TEMP +" or "TEMP -" temperature set point buttons until the desired temperature appears on screen.
4. Select the desired fan speed by pressing the **FAN SPEED** button to select desired fan speed.

NOTE: If unit is operating in Dry mode, low fan speed will be displayed and the fan speed cannot be changed.

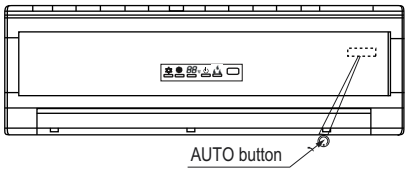
5. Set the airflow direction. When the unit is turned on, the louvers default to the cooling or heating position. The user can adjust the default louver position by pushing the "SWING" button. The louver will start to move. At this point, the user can have the louver moving continuously or stopped when the desired position is achieved by pushing the "SWING" button.

Emergency Operation

If the remote control is lost, damaged, or the batteries are exhausted, the **AUTO** button on the unit can be used to run the unit.

Open the front cover panel and press the **AUTO** button once briefly when the system is off.

To stop emergency operation, push the **AUTO** button once. The emergency operation can also be stopped by pushing the "ON/OFF", "CLOCK", "T-OFF", or "T-ON" twice.



A08300

The following occurs when the AUTO button is pushed:

- 77°F (25°C) will be displayed on display panel.
- Unit will run in FAN ONLY mode if return air temperature is between 68°F (20°C) and 77°F (25°C).
- Unit will run in HEATING if return air temperature is less than 68°F.
- Unit will run in COOLING if return air temperature is greater than 77°F (25°C).
- Fan speed will be set to AUTO
- SWING will be on.

REMOTE CONTROL FUNCTIONS

The remote control is the interface between the user and the high-wall systems. Commands are entered by the user to control the system. Any command that has been entered with the remote control will remain in the memory until it is changed by the user or the batteries are replaced.

NOTE: When entering commands, point the remote control in the direction of the LED display on the front panel. The ▲ will appear for a short period of time on the remote control when the command is entered. The unit will only emit an audible beep when the signals are received correctly.

On/Off Button

A08302

When the air conditioner is not in operation, the remote control will display the last set point and time.

- Press the On/Off button to start the unit.
  - The unit will start in the last operating mode and set point. The "OPER" indicator will appear. The "RUN" indicator on the display panel turns green.
- Press button On/Off to stop the unit.
  - The "RUN" indicator light on the display panel will turn red and the remote control will display the setpoint and time. "OPER" will disappear.

NOTE: If the On/Off button is pressed too soon after a stop, the compressor will not start for 3 minutes due to the inherent protection against frequent compressor cycling.

Selecting an Operating Mode

Use the Mode button to select one of the available modes.

A08303 /A08301

The selected mode will be displayed on the remote control and the appropriate light will illuminate on the display panel. When the unit is in AUTO, 77°F (25°C) will show on the display panel. There is no icon for "FAN ONLY" on the display panel.

Setting the Room Temperature Set Point

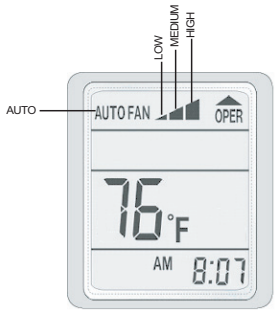
Pressing the "TEMP +" and "TEMP -" buttons will raise or lower the temperature.

The unit will confirm signal receipt with a beep and the value of the set temperature on the display, on the remote control, and on the front panel, will change accordingly.

The temperature can be set between 61°F (16°C) and 86°F (30°C).

NOTE: In Cooling mode, if the temperate selected is higher than the room temperature, the unit will not start. The same applies for the Heating mode if the selected temperature is lower than the room temperature.

Selecting the Fan Speed



A08304

The fan speed can be selected by pressing the "FAN" button.

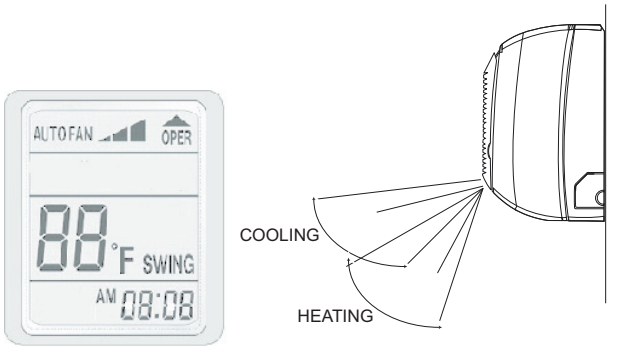
NOTE: When the unit is on, the fan will run continuously in cooling or heating. When in heating, there might be situations where the fan will slow down or shut off to prevent cold blow.

Selecting the Horizontal Direction Louver Position

When the unit is turned on, the louvers default to the cooling or heating position.

If the louver position is not providing adequate comfort due to room layout or where people are gathered, the user has two options:

1. Have the horizontal louvers move continuously. This is accomplished by pushing the "SWING" button. When this button is pushed, the "SWING" icon will appear on the remote control and the louvers will operate in a preset range as shown in the figure below.



A08307

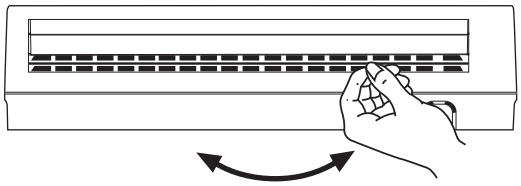
2. If a stationary position other than the default position is preferred, push the "SWING" button once and allow the louver to move to the desired position then push the "SWING" button again.

NOTE: Always use the remote control to adjust the louver position otherwise, abnormal operation may occur. If the louver is manually adjusted out if its range, turn the unit off and then on again.

Sometimes, in the heating mode, when the "SWING" button is pushed, the louvers will not start moving right away. This is due to the fact that the fan will not start running until the coil temperature is warm enough to prevent discomfort to the user by blowing cold air.

Selecting Vertical Direction of the Louver

The vertical louvers can be adjusted manually to direct the airflow to achieve the optimal comfort in the space.

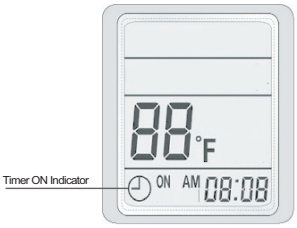


A07543

Timer Function

TIMER ON (to start the unit) and TIMER OFF (to stop the unit) can be used separately or together. The clock on the remote control must be set before using this function.

Timer ON only



A08305

This function will allow the unit to start automatically at the set time. The TIMER ON can be set while the unit is on or off.

To set the TIMER ON function, perform the following:

1. Push the "T-ON" button once.
2. The timer indicator will appear on the remote control with "ON" flashing.
3. Push the "TIME -" or "TIME +" until the desired on time is reached.

NOTE: Pressing the "TIME -" or "TIME +" will decrease or increase the time in 1 minute increments.
Pressing the "TIME -" or "TIME +" continuously will decrease or increase the time in 10 minute increments.

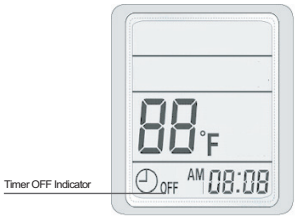
4. Push the "T-ON" again. The "ON" icon will stop blinking and the time at which the unit will start is set.

The "T-ON" time will be stored in memory indefinitely until it is cancelled by the user by pushing the "CANCEL" button or the remote control batteries are replaced.

If the unit is running and the "T-ON" set time is reached, the unit will continue operating normally.

NOTE: When the unit is shut off by the user using the "ON/OFF" button, and if the "T-ON" is set, the following will be displayed on the remote control.
- Set Point
- Time
- "TIME ON" icon
On the display panel, the operation light will turn red.
When the "T-ON" is reached, the display on the remote does not change, and the unit is running as indicated by the operation light on the front cover turning green. To get display on the remote, push the "ON/OFF" button once.

Timer OFF only



A08306

This function will allow the unit to stop automatically at the set time. The timer can be set while the unit is on or while it is off.

To set the "TIMER OFF" function, perform the following:

1. Push the "T-OFF" button once.
2. The "TIMER" indicator will appear on the remote control with "OFF" flashing.
3. Push the "TIME -" or "TIME +" button until the desired ON time is reached.

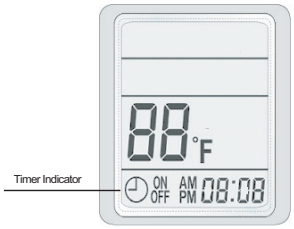
NOTE: Pressing the "TIME -" or "TIME +" will decrease or increase the time in 1 minute increments.
Pressing the "TIME -" or "TIME +" continuously, will decrease or increase the time in 10 minute increments.

4. Push the "T-OFF" button again, the "OFF" icon will stop blinking and the time at which the unit will turn off is set.

The "T-OFF" time will be stored in memory indefinitely until is is cancelled by pushing the the "CANCEL" button or the batteries are replaced in the remote control.

If the unit is running and the "T-OFF" set time is reached, the unit will turn off and the operation indicator light on the front panel will turn red. The display on the remote control will remain the same as when the unit was running. To turn the unit on again, push the "ON/OFF" button twice. The operation indicator light on the front panel will turn green.

Timer ON and Timer OFF



A08308

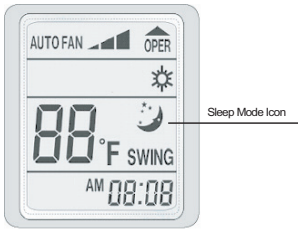
Use both functions as described in "TIMER ON" and "TIMER OFF" sections to program the unit to turn on and shut off at specified times. Times will be stored in memory until cancelled by user or the remote control batteries are replaced.

Sleep Mode

This mode is used to conserve energy and can be used when the unit is in the COOL, HEAT or AUTO mode only.

Cool Mode

- Push the SLEEP button. The SLEEP display will appear on the remote control.



A08309

- After 1 hour the set point will be raised by 1.8°F (1°C).
- After another hour, the set point will be raised by another 1.8°F (1°C) and the fan will run in low speed.
- The SLEEP mode will be cancelled when the SLEEP button is pushed again.

Heat Mode

- Same as cooling mode but set points will be lowered by 1.8°F (1°C) and the HEAT icon will disappear from the display panel.

Time Delay

If the On/Off button is pressed too soon after a stop, the compressor will not start for 3 minutes due to the inherent protection against frequent compressor cycling. The unit will only emit an audible beep when the signals are received correctly.

Heating Features

If the unit is in the heating mode, there will be a delay when the fan starts. The fan will start only after the coil is warmed up to prevent cold blow.

Defrost Operation

In heating mode, if the outdoor coil is frosted, the indoor fan and outdoor fan will turn off while system removes the frost on the outdoor coil. "H1" will be displayed on the display panel on the front cover of the unit.

The system will automatically revert to normal operation when frost is removed from the outdoor unit, and "H1" will disappear.

Auto Start

If the power fails while the unit is operating, the unit stores the operating condition, and it will start operation automatically under those conditions when the power is restored.

CLEANING, MAINTENANCE AND TROUBLESHOOTING

⚠ CAUTION

ELECTRICAL SHOCK HAZARD

Failure to follow this caution may result in personal injury or death.

Always turn off power to the system before performing any cleaning or maintenance to the system. Turn off the outdoor disconnect switch located near outdoor unit. Be sure to disconnect indoor unit if on a separate switch

⚠ CAUTION

EQUIPMENT DAMAGE/OPERATION HAZARD

Failure to follow this caution may result in equipment damage or improper unit operation.

Operating the system with dirty air filters may damage the indoor unit and could cause reduced cooling performance, intermittent system operation, frost build-up on indoor coil or blown fuses.

Periodic Maintenance

Periodic maintenance is recommended to ensure proper operation of the unit. Recommended maintenance intervals may vary depending on the installation environment, e.g., dusty zones, etc. Refer to Table 1.

⚠ CAUTION

CUT HAZARD

Failure to follow this caution may result in personal injury.

The coil fins are very sharp. Use caution when cleaning.

Always wear safety protection.

Cleaning the Coil

Clean the coil at the beginning of each cooling season, or when necessary. Use a vacuum cleaner or a long-bristle brush to avoid damage to the coil fins.

Air Filters

Remove and clean the air filters once a month.

NOTE: If air filters show signs of excessive wear or are torn, they must be replaced. Contact your local dealer for replacement filters.

1. Open front panel on unit.
2. Pull filters down to remove.
3. Vacuum filters.
4. Clean with warm water.
5. Shake filter to remove excess water and dry thoroughly.
6. Replace filter by sliding into rack until filter snaps in place.
7. Close front panel on unit.

⚠ CAUTION

EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage.

When cleaning the front panel, do not use water hotter than 105°F (40.56°C) and do not pour water onto the fan coil. Do not use abrasive or petroleum based cleaners as they may damage the front panel.

Indoor Unit Front Panel

To clean the front panel on the indoor unit, wipe the outside with a soft, dry cloth. If necessary, a mild liquid detergent can be applied and wiped off with a dry cloth.

Preparing for Extended Shutdown Period

Clean the filters and reposition them in the unit. Operate the unit in Fan only mode for 12 hours to dry all internal parts.

Turn main power supply off and remove batteries from the remote control.

System Operation Recommendations

The items outlined in the following list will help to assure proper system operation:

- Replace both remote control batteries at the same time.
- Point the remote control toward the unit display panel when transmitting a command.
- Keep doors and windows closed while unit is operating.
- Contact an authorized service representative if a problem arises that cannot be easily resolved.
- Do not perform cleaning or maintenance activities while unit is on.
- Keep display panel on unit away from direct sunlight and heat as this may interfere with remote control transmissions.
- Do not block air intakes and outlets on the indoor or outdoor units.

Energy Saving Recommendations

The following recommendations will add greater efficiency to the ductfree system:

- Select a comfortable thermostat setting and leave it at chosen setting. Avoid continually raising and lowering the setting.
- Keep unit filter clean. Frequent cleaning may be necessary depending on indoor air quality.
- Use drapes, curtains or shades to keep direct sunlight from heating room on very hot days.
- Do not obstruct air intake on front panel.
- Turn on air conditioning before indoor air becomes too uncomfortable.

Troubleshooting

Refer to Table 2 before contacting your local dealer.

Table 1—Periodic Maintenance

INDOOR UNIT	EVERY MONTH	EVERY 6 MONTHS	EVERY YEAR
Clean Air Filter*	•		•
Change Remote Control Batteries		•	
OUTDOOR UNIT	**EVERY MONTH**	**EVERY 6 MONTHS**	**EVERY YEAR**
Clean Outdoor Coil from Outside		•	
Clean Outdoor Coil from Inside†			•
Blow Air Over Electric Parts†			•
Check Electric Connection Tightening†			•
Clean Fan Wheel†			•
Check Fan Tightening†			•
Clean Drain Pans†			•

* Increase frequency in dusty zones.

† Maintenance to be carried out by qualified service personnel. Refer to the Installation Manual

Table 2—Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Unit/System Does Not Work	• The circuit breaker has tripped or a fuse has blown. • Power failure. • Diagnostic lights illuminate.* • Voltage is too low.	• Reset the circuit breaker or replace the fuse with the specified replacement fuse. • Restart operation when the power is restored. • Call your service representative. • Call your service representative.
Cooling is Not Working Properly	• The filter is blocked with dust. • Temperature is not set properly. • A window or door is open. • The outdoor unit is obstructed. • The fan speed is too low. • The operation mode is in Fan instead of Cool.	• Clean the air filter. • Check the temperature and reset if necessary. • Close the window or door. • Remove the obstruction. • Change the fan speed selection. • Change the operating mode to Cool or reset the unit.
Heating is Not Working Properly	• The filter is blocked with dust. • Temperature is set too low. • A window or door is open. • The outdoor unit is obstructed.	• Clean the air filter. • Check the temperature and reset if necessary. • Close the window or door. • Remove the obstruction.
Unit Stops During Operation	• The Off timer is not operating correctly. • Diagnostic lights illuminate.*	• Restart the operating mode. • Call your service representative.

* Diagnostic lights are a combination of lights that will illuminate in the display area on the unit. They are a combination of the lights you see during normal operation.

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